

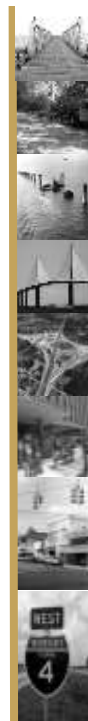


# Pavement Marking Materials



## Roadway Design Bulletins

- Roadway Design Bulletin 15-02  
Pavement Marking Materials Selection
- Roadway Design Bulletin 15-03  
Rumble Striping



## RDB 15-02

### Pavement Marking Materials Selection

# Pavement Marking Task Team

APL Office – Paul Gentry & Karen Byram

Construction Office – Stefanie Maxwell

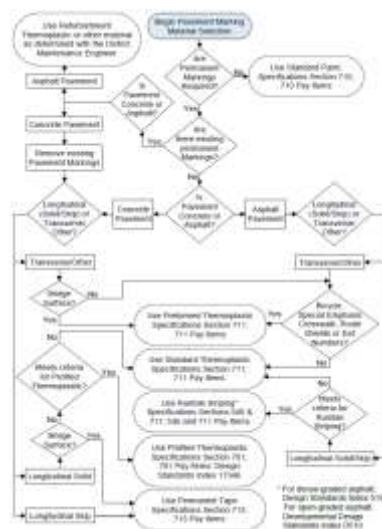
Design Office – Chester Henson

Estimates Office – Melissa Hollis

Maintenance Office – Tim Lattner & Deanna Carroll

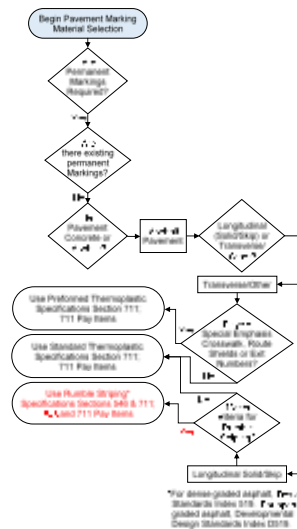


## RDB 15-02 Pavement Marking Materials Selection





## Pavement Marking Materials Selection New Asphalt Marking



## Revised Current Audible & Vibratory Marking Policy

- Continue to be Used for Rural Roadways with Speeds of 50 mph for Inside and Outside Edge Lines on Multi-Lane Roadways and for Outside Edge Lines on Two Lane Roadways
- **Center Line Policy Revised to Include Center Lines for All Two Lane Rural Roadways** with Speeds of 50 mph
- **Adds Rumble Stripping** to Audible & Vibratory Pavement Markings



## Revised Current Audible & Vibratory Marking Policy

- Current **Raised Audible & Vibratory Marking** has been **Renamed Profiled Thermoplastic**
- Continue to be Used for Concrete Roadways of Non-Limited Access Facilities
- Use **Profiled Thermoplastic in Lieu of Shoulder Ground-in Rumble Strips** On Concrete Limited Access Roadways with Concrete Shoulders
- Continue to be Paid for Under Section 701



## Introduces New Audible & Vibratory Marking – Rumble Striping

- Rumble Striping (Design Standard Index 519)
- Used for Asphaltic Roadways
- Be Paid for Under Section 546 and Section 711
- Section 546 Quantities will be Tabulated on Signing & Pavement Marking Plans

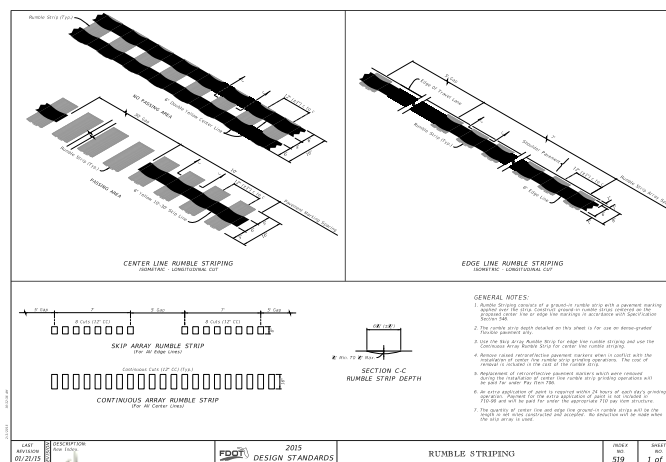


## Introduces New Audible & Vibratory Marking – Rumble Striping

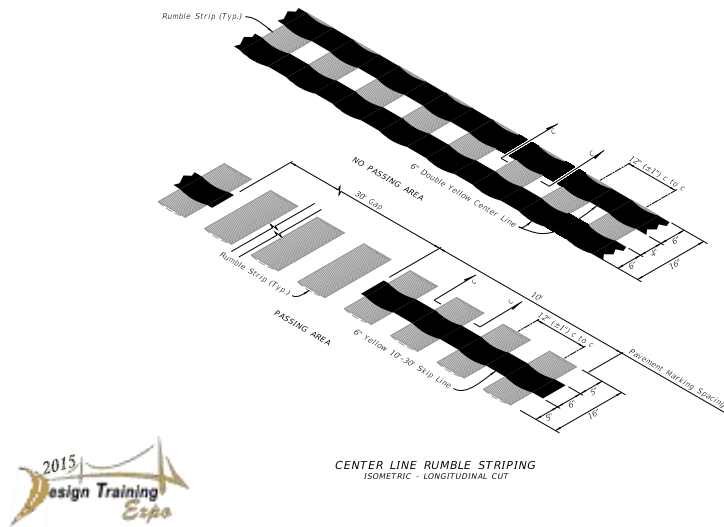
- Utilizes Current Shoulder Grinding Process Used on Limited Access Facilities
- With Rumble Striping, Grinding is In-Line with the Center Line or Edge Line Pavement Marking
- Pavement Marking Installed Over the Ground-in Rumble Strips



## Introduces New Audible & Vibratory Marking – Rumble Striping



## Center Line Rumble Striping



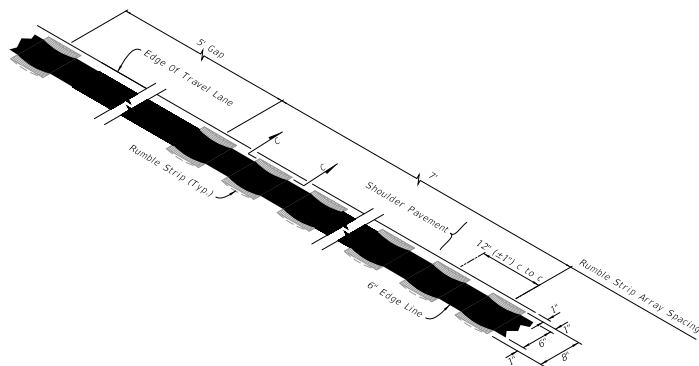
## Center Line Rumble Striping



## Center Line Rumble Stripping



## Edge Line Rumble Stripping



EDGE LINE RUMBLE STRIPING  
ISOMETRIC - LONGITUDINAL CUT





## Edge Line Rumble Striping



## Rumble Striping Equipment



## Rumble Striping Equipment



## Rumble Striping

**Dense Graded  
Friction Course**



**Open Graded  
Friction Course**



## Revised Preformed Thermoplastic Marking Policy

- Use for Bicycle Markings, Special Emphasis Crosswalks, Route Shields and Exit Numbers on Asphalt or Concrete Pavements
- Also Use Contrast White (2-4) Dotted Guide Lines on Concrete Pavements or Concrete Bridges



## Revised Concrete Contrast Marking Policy

- Only Use Trailing Black Contrast For Broken Lines
- Use Edge Contrast For Arrows, Symbols and Messages on Roadways with Posted Speeds of 45 mph or Less
- Use Block Contrast For Arrows, Symbols and Messages on Roadways with Posted Speeds of 50 mph or Greater



## Revised Concrete Contrast Marking Policy



## Revised Concrete Contrast Marking Policy



## Revised Concrete Contrast Marking Policy



## Revised Permanent Tape Marking Policy

- Use White Contrast (10-30) Skip on All Concrete Pavements and Concrete Bridge Decks (**Deleted** “with Lengths of 300’ and Greater”)
- Also Use White Contrast (3-9) Dotted on All Concrete Pavements and on All Concrete Bridge Decks
- Also Use Permanent Tape for All Center Lines and Edge Lines of All Concrete Bridge Decks



## Revised Pavement Marking Pay Item Policy

- Net Mile Changed to Gross Mile
- Dotted Lines Changed from Lineal Feet to Gross Miles



## Questions

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